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Attorney Docket No.: 22058-560CIP4DIV3CON

1646



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS : Lin, et al.
SERIAL NUMBER : 09/989,350 EXAMINER : J. Ulm
FILING DATE : November 20, 2001 ART UNIT : 1646
FOR : Novel TNF Receptor death Domain Ligand Protein and Inhibitors of Ligand Binding

BOX IDS

Commissioner for Patents
Washington, D.C. 20231



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PATENT TRADEMARK OFFICE

TRANSMITTAL LETTER

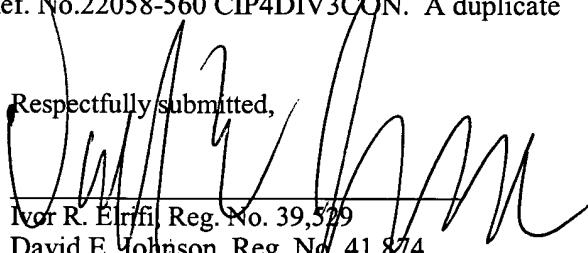
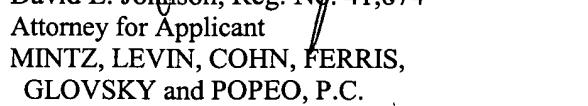
Transmitted herewith for filing in the present application are the following documents:

1. Information Disclosure Statement (1 page), in duplicate;
2. Modified Form 1449/PTO (2 pages), in duplicate;
3. Copies of Cited References A1-A4, B1-B15, and C1-C29; and
4. Return Postcard.

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 542-6000, Boston, Massachusetts.

The Commissioner is authorized to charge any fees that may be due, or to credit any overpayment, to the undersigned's account, Deposit Account No. 50-0311 Ref. No. 22058-560 CIP4DIV3CON. A duplicate copy of this transmittal letter is enclosed herewith.

Respectfully submitted,


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Dated: September 13, 2002

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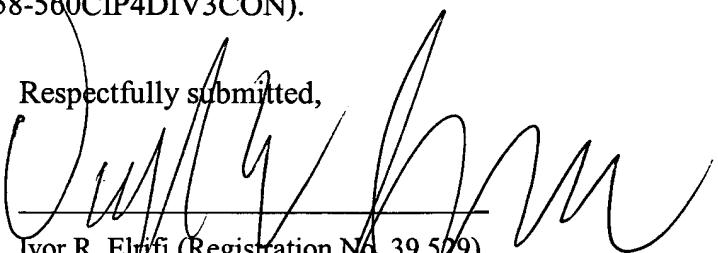
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INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants hereby make of record the documents listed on the attached modified Form PTO-1449 (submitted in duplicate) in the above-identified application, copies of which are submitted herewith.

Please charge any additional fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311 (Reference No. 22058-560CIP4DIV3CON).

Respectfully submitted,


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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

O I P E SEP 13 2002 P A T E N T & T R A D E M A R K M O D I F I E D F O R M 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number 09/989,350 Filing Date November 20, 2001 First Named Inventor Lin Group Art Unit 1646 Examiner Name Not Yet Assigned Attorney Docket Number 22058-560 CIP4DIV3CON
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U.S. PATENT DOCUMENTS						
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class
A1	5,563,039	10/08/96	Goeddel, et al.			
A2	5,464,938	11/07/95	Smith, et al.			
A3	5,506,340	04/09/96	Heavner			
A4	5,296,592	03/22/94	Dower, et al.			

FOREIGN PATENT DOCUMENTS					
Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No
B1	WO	96/34095	Human Genome Sciences, Inc.	10/31/1996	
B2	WO	95/31544	Yeda Research and Development Co., Ltd.	11/23/1995	
B3	WO	95/33051	Genentech, Inc.	12/07/1995	
B4	WO	94/01548	Medical Research Council	01/20/1994	
B5	WO	94/10207	Chiron Corporation	05/11/1994	
B6	WO	92/14834	The Whittier Institute for Diabetes and Endocrinology	09/03/1992	
B7	WO	92/03471	Chiron Corporation	03/05/1992	
B8	WO	92/03470	Chiron Corporation	03/05/1992	
B9	EP	0 585 939	Yeda Research and Development Co., Ltd.	03/09/1994	
B10	EP	0 308 378	Yeda Research and Development Co., Ltd.	03/22/1989	
B11	EP	0 393 438	Boehringer Ingelheim International G.M.B.H.	10/24/1990	
B12	EP	0 433 900	Yeda Research and Development Co., Ltd.	06/26/1991	
B13	EP	0 526 905	Yeda Research and Development Co., Ltd.	02/10/1993	
B15	WO	93/19777	Immunex Corp.	10/14/1993	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Exam Initials	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
C1	Miki, et al. (1992). "Disruption of the APC Gene by a Retrotransposal Insertion of L1 Sequence in a Colon Cancer" <i>Cancer Res.</i> <u>52</u> : 643-645.
C2	Darnay, et al. (1994). "Identification of a Protein Kinase Associated with the Cytoplasmic Domain of the p60 Tumor Necrosis Factor Receptor" <i>J. Biol. Chem.</i> <u>269</u> (32): 20299-20304.
C3	Kiefer, et al. (1992). "Characterization of Recombinant Human Insulin-like Growth Factor Binding Proteins 4,5 and 6 Produced in Yeast" <i>J. Biol. Chem.</i> <u>267</u> (18): 12692-12699.
C4	Genbank Accession Number: T08593 (05/23/93).
C5	GenBank Accession Number: T07800 (07/21/00).
C6	GenBank Accession Number: M78050 (05/26/92).

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OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C7	GenBank Accession Number: M78539 (05/26/92).
	C8	GenBank Accession Number: U44953 (07/01/96).
	C9	GenBank Accession Number: U48254 (08/03/96).
	C10	Tartaglia, et al. (1992). "Tumor Necrosis Factor Receptor Signaling" <i>J. Biol. Chem.</i> <u>267</u> (7): 4304-4307.
	C11	Tartaglia, et al. (1993). "Tumor Necrosis Factor's Cytotoxic Activity is Signaled by the p55 TNF Receptor" <i>Cell</i> <u>73</u> : 213-216.
	C12	Gyuris, et al. (1993). "Cdi1, a Human G1 and S Phase Protein Phosphatase That Associates with Cdk2" <i>Cell</i> <u>75</u> : 791-803.
	C13	Schall, et al. (1990). "Molecular Cloning and Expression of a Receptor for Human Tumor Necrosis Factor" <i>Cell</i> <u>61</u> : 361-370.
	C14	Shimasaki, et al. (1991). "Identification of Five Different Insulin-like Growth Factor Binding Proteins from Adult Rat Serum and Molecular Cloning of a Novel IGFBP-5 in Rat and Human" <i>J. Biol. Chem.</i> <u>266</u> (16): 10646-10653.
	C15	Saragovi, et al. (1992). "Loops and Secondary Structure Mimetics: Development and Applications in Basic Science and Rational Drug Design" <i>BioTechnology</i> <u>10</u> : 773-778.
	C16	McDowell, et al. (1992). "Structural Studies of Potent Constrained RGD Peptides" <i>J. Am. Chem. Soc.</i> <u>114</u> (24): 9245-9253.
	C17	Kaufman, et al. (1991). "Improved vectors for stable expression of foreign genes in mammalian cells by use of the untranslated leader sequence from EMC virus" <i>Nucleic Acids Res.</i> <u>19</u> (16): 4485-4490.
	C18	Kaufman, et al. (1990). "Selection and Coamplification of Heterologous Genes in Mammalian Cells" <i>Methods in Enzymology</i> <u>185</u> : 537-566.
	C19	Gietz, et al. (1992). "Improved method for high efficiency transformation of intact yeast cells" <i>Nucleic Acids Res.</i> <u>20</u> (6): 1425.
	C20	Waye, et al. (1995). "Gene expression of adult human heart as revealed by random sequencing of cDNA library" <i>Protein Engineering</i> <u>8</u> : 90.
	C21	Auffray, et al. (1995). "IMAGE: integrated molecular analysis of the human genome and its expression" <i>Life Sciences</i> <u>318</u> : 263-272. English Abstract
	C22	Rothe, et al. (1994). "A Novel Family of Putative Signal Transducers Associated with the Cytoplasmic Domain of the 75 kDa Tumor Necrosis Factor Receptor" <i>Cell</i> <u>78</u> : 681-692.
	C23	Song, et al. (1994). "Aggregation of the Intracellular Domain of the Type 1 Tumor Necrosis Factor Receptor Defined by the Two-hybrid System" <i>J. Biol. Chem.</i> <u>269</u> (36): 22492-22495.
	C24	Tartaglia, et al. (1993). "A Novel Domain within the 55 kd TNF Receptor Signals Cell Death" <i>Cell</i> <u>74</u> : 845-853.
	C25	Boldin, et al. (1995). "Self-association of the "Death Domains" of the p55 Tumor Necrosis Factor Receptor and Fas/APO1 Prompts Signaling for the TNF and Fas/APO1 Effects" <i>J. Biol. Chem.</i> <u>270</u> : 387-391.
	C26	Hsu, et al. (1995). "The TNF Receptor 1-Associated Protein TRADD Signals Cell Death and NF- κ B Activation" <i>Cell</i> <u>81</u> : 495-504.
	C27	Boldin, et al. (1995). "A protein related to a proteasomal subunit binds to the intracellular domain of the p55 TNF receptor upstream to its 'death domain'" <i>FEBS Letters</i> <u>267</u> : 39-44.
	C28	Adams, et al. (1992). "Sequence identification of 2,375 human brain genes" <i>Nature</i> <u>355</u> : 632-634.
	C29	Adams, et al. (1993). "Rapid cDNA sequencing from a directionally cloned human infant brain cDNA library" <i>Nature Genetics</i> <u>4</u> : 373-380.

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. _____, filed _____, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature		Date Considered
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to applicant.